

# Receiving Report

Date: 16-6-21

Batch No: 135052

Supplier: Air Dynamics

Dart P/O: 32240

Packing Slip: Yes ☒ No ☐  
 Invoice: Yes ☒ No ☐  
 Receipt: Cash ☐ Cr ☒  
 New Supplier Yes ☐ No ☒

Release Note Attached: Yes ☒ No ☐ N/A ☐  
 Waybill Attached: Yes ☒ No ☐  
 Shipment Complete: Yes ☒ No ☐ N/A ☐  
 QC18 Inspection ☐ N/A ☒  
 Work Order ☐ N/A ☒

## Discrepancies

Part Number	Description	Quantity Ordered	Quantity Rec'd	Quantity Short	Quantity Inspected	Quantity Rejected	Comment / NCR Number

Initials of Receiver

QC12

Production/Admin:

Date

Received/Costing

Initial

Location



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

# PURCHASE ORDER

Purchase Order ID PO32240

Purchase Order Date 5/3/2016

PO Print Date 5/3/2016

Page Number 1 of 2

Order From :

AIR DYNAMICS  
19420B CLARK GRAHAM AVENUE  
BAIE D'URFE, QUEBEC H9X 3R8

VC-AD001

Ship To : DART AEROSPACE LTD

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**E-MAILED**

MAY 04 2016

Contact Name

Vendor Phone

514-457-4287

Ship To Contact

Ship To Phone

Ship Via:

Purolator ground collect

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax #

10127-2607

Terms

Net 30

Currency

CAD

FOB

EXW - (Ex Works)

Line Nbr	Reference Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
	Line Comments		Promise Date				
	Delivery Comments						
1	71400-11	CA8213/F37038 TOPCOAT COLOR BLACK CAMOUFLAGE	6/2/2016		2.00 ✓ B/O	\$265.00	\$530.00
			Yes		Each		
			6/2/2016				
	Procurement Quality Clauses A005 RIGHT OF ENTRY A014 SHELF LIFE CONTROLLED MATERIAL; 70% SHELF LIFE REQUIRED AT RECEIPT A026 CERTIFICATION OF MATERIAL CONFORMANCE A040 NOTIFICATION OF QUALITY ESCAPE A042 DART NOTIFICATION BY SUPPLIER A043 RETENTION OF QUALITY DOCUMENTS						
						Line Total:	\$530.00
2	71400-11	515X349 PRIMER GREEN	6/2/2016		4.00 ✓	\$400.00	\$1,600.00
			Yes		Each		
			6/2/2016				
						Line Total:	\$1,600.00

Deliver To: ANDY

Deliver To: ANDY

PO Instructions: Purolator Acc#7684382

Note:

5/3/2016



19420B Clark Graham Avenue  
Baie D'Urfé, Québec H9X 3R8

Tel.: (514) 457-4287  
Fax: (514) 457-4143

# BON DE LIVRAISON

PACKING SLIP 733384

CUSTOMER NO. 700

Facture à:  
Invoice to:

DART AEROSPACE LTD  
1270 ABERDEEN STREET  
HAWKESBURY ON K6A 1K7

ACCTS PAY/ DALE BATES

Expédié à:  
Ship to:

SAME

Date 06/20/16	Expédié par/Ship via: PUROLATOR COLLECT	F.A.B./F.O.B.	Conditions/Terms
------------------	--	---------------	------------------

No. de commande Purchase order no. P032240	Date de commande Order date 05/04/16	Vendeur(se)/Salesperson BRENDA SHEA	Notre No. de commande/Our order number
--	--	--	--

Qté req/ Qty req	Expédié Shipped	En souffe/ B.O.	No. d'article Item Number	Description	Prix unitaire Unit price	Prix rapporté Extended price
2	2	✓	CA8213/F37038	ORDERED BY CHANTAL LAVOIE - SHIP VIA PUROLATOR ACCT# 7684382 TOPCOAT - BLACK #37038 (GL KIT) MIL-PRF-85285 TY.1 (C/WCA8200B)		
2	2		BATCH	BATCH #31589 KIT LOT: 923931 EXP: MARCH/2017 CA8213/F37038 (3/4 GL CAN) LOT: 916445 CA8200B (1/4 GL CAN) LOT: 205763 CERTIFICATION/TEST REPORTS/MSDS INCLUDED		

I hereby certify that the aircraft parts, appliances and/or materials described hereon were acquired from a source of supply that is consistent with the conditions under which the Department of Transport distributor approval No. 12-89 has been granted.



Date: June 20, 2016 Brenda Shea  
Inspector's Signature

JE CERTIFIE PAR LES PRESENTES QUE LES PIECES D'AERONEFS DECRITES DANS LE PRESENT CERTIFICAT ONT ETE OBTENUES D'UNE SOURCE D'APPROVISIONNEMENT CONFORME AUX CONDITIONS AUXQUELLES LE CERTIFICAT D'AUTORISATION DE DISTRIBUTION NO. 12-89 DU MINISTERE DES TRANSPORTS A ETE ATTRIBUE.

DATE 20 Juin 2016  
SIGNATURE Brenda Shea

JE CERTIFIE PAR LES PRESENTES QUE LES PIECES D'AERONEFS  
DECRIES DANS LE PRESENT CERTIFICAT ONT ETE OBTENUES D'UNE  
SOURCE D'APPROVISIONNEMENT CONFORME AUX CONDITIONS  
AUXQUELLES LE CERTIFICAT D'AUTORISATION DE DISTRIBUTION  
NO. 12-89 DU MINISTRE DES TRANSPORTS A ETE ATTRIBUE.

DATE 20 Juin 2016

SIGNATURE Brenda Sheen



30018406

PRC-DeSoto International, Inc.  
A PPG Industries Company

# Certificate of Conformance

Page: 1

Pick Ticket 40069183

Pack List #: SO281878

PPG Aerospace  
11601 United Street  
Mojave, CA 93501  
UNITED STATES  
Phone: 661-824-4532

Order Date: 05/20/16  
Cust. No.: MC900102  
Terms: IC NET60  
Cust. P.O.: TC56545



06/17/16  
11:31:01

Fax: 661-824-3840

31589



CSR:

Transaction Type:  
Shipment Terms:

STDEAR  
COLLECT

DS-PO#:

Site: 3742USPPG Aerospace

Remarks: CE

20 JUN 2016

Shipvia: FEDEX P1

Sold To: MC900102

PPG CANADA INC  
PPG AEROSPACE - ASC CANADA  
5676 TIMBERLEA BLVD.  
MISSISSAUGA, ON L4W 4M6  
CANADA

Ultimate 00012715  
Consignee AIR DYNAMICS COMPANY LTD  
19420B CLARK GRAHAM AVENUE  
BAIE D'URFE, PQ H9X 3R8  
CANADA

Fwd FF000064  
Agent FEDERAL EXPRESS P-1  
133 EAST AVE K-6  
LANCASTER, CA 93535  
UNITED STATES

Line	Qty Ordered	UM	Description	Req Date	Due Date	Promise Date	Qty to Ship	Qty Picked
			Cert Required: YES TR's Required: YES aog ship to air dynamics fxp1 acct 1042 6994 0 PLEASE INDICATE THE FOLLOWING ON ALL DOCUMENTS: CUSTOMS BROKER: LIVINGSTON INTERNATIONAL IMPORTER OF RECORD: PPG CANADA INC. CUSTOMS INVOICE MUST INCLUDE A COMPLETE, CLEAR, ITEMIZED DESCRIPTION OF THE MATERIAL ALONG WITH A 10-DIGIT CANADIAN HARMONIZED CODE OF GOODS BEING SHIPPED PLEASE EMAIL INVOICE COPY TO LIVINGSTON: CST49210@LIVINGSTONINTL.COM CC: KLARA SIKET & LAURIE SOLES					
3	2	EA	8213F37038ZZY22K MIL-PRF-85285/MMS420 BLK CA8213 F37038 GL KIT HTS Number: 3208.10.0000 SPEC: MIL-PRF-85285 REV E TY I CL H D.O.M. 3-16 D.O.E. 3-17 REQD FOR EA CONTROL# ON LN ITEM Lot No: 923931 *Location: St05 - 8200B 004 CA 8200B M&D ACTIVATOR COMPONENT Batch: 205763 - 821337038Y01 CA 8213/F37038 BASE COMPONENT Batch: 916445	06/16/16	06/17/16	06/17/16	2	2

Shipped by \_\_\_\_\_ Date \_\_\_\_\_

PPG Aerospace/PRC DeSoto International certifies that the above material has been manufactured, tested and conforms to all requirements in accordance with applicable specifications. All test data pertaining to batch acceptance requirements defined by the specification for this material is on file and available for inspection on request. For Non-US PPG Customers, we can only offer Technical Data/Test Reports for any ITAR restricted specifications with valid US export authorization.

*Rob Reinhard*  
Quality Control



# SAFETY DATA SHEET



Date of issue/Date of revision 10 April 2016

Version 9

## Section 1. Identification

Product name : CA 8213/F37038 BASE COMPONENT  
Product code : CA 8213/F37038 BASE COMPONENT  
Other means of identification : Not available.  
Product type : Liquid.

### Relevant identified uses of the substance or mixture and uses advised against

Product use : Industrial applications.  
Use of the substance/ mixture : Coating.  
Uses advised against : Not applicable.

Manufacturer : PPG Aerospace PRC-DeSoto  
12780 San Fernando Road  
Sylmar, CA 91342  
Phone: 818 362 6711  
Emergency telephone number : (412) 434-4515 (U.S.)  
(514) 645-1320 (Canada)  
01-800-00-21-400 (Mexico)

## Section 2. Hazards identification

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).  
Classification of the substance or mixture : ☒ FLAMMABLE LIQUIDS - Category 3  
ACUTE TOXICITY (oral) - Category 4  
EYE IRRITATION - Category 2A  
CARCINOGENICITY - Category 2  
TOXIC TO REPRODUCTION (Fertility) - Category 1B  
TOXIC TO REPRODUCTION (Unborn child) - Category 1B  
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3  
Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 32.3%

### GHS label elements

## Section 2. Hazards identification

**Hazard pictograms**

:

**Signal word**

: Danger

**Hazard statements**

: Flammable liquid and vapor.  
Harmful if swallowed.  
Causes serious eye irritation.  
May damage fertility or the unborn child.  
Suspected of causing cancer.  
May cause drowsiness or dizziness.

**Precautionary statements****Prevention**

: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves. Wear eye or face protection. Wear protective clothing. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use explosion-proof electrical, ventilating, lighting and all material-handling equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Keep container tightly closed. Use only outdoors or in a well-ventilated area. Avoid breathing vapor. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.

**Response**

: IF exposed or concerned: Get medical attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell. Rinse mouth. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

**Storage**

: Store locked up. Store in a well-ventilated place. Keep cool.

**Disposal**

: Dispose of contents and container in accordance with all local, regional, national and international regulations.

**Supplemental label elements**

: Sanding and grinding dusts may be harmful if inhaled. Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage. Inhalation of vapor/aerosol concentrations above the recommended exposure limits causes headaches, drowsiness and nausea and may lead to unconsciousness or death. Avoid contact with skin and clothing. Wash thoroughly after handling. Emits toxic fumes when heated.

**Hazards not otherwise classified**

: Prolonged or repeated contact may dry skin and cause irritation.

## Section 3. Composition/information on ingredients

**Substance/mixture**

: Mixture

**Product name**

: CA 8213/F37038 BASE COMPONENT

**Section 3. Composition/information on ingredients**

Ingredient name	%	CAS number
Butanone	≥10 - ≤20	78-93-3
1,3-Benzenedicarboxylic acid, polymer with 2,2-dimethyl-1,3-propanediol, 1,2-ethanediol, hexanedioic acid and 1,6-hexanediol	≥10 - ≤20	69929-19-7
heptan-2-one	≥10 - ≤12	110-43-0
Acetic acid, C8-10-branched alkyl esters, C9-rich	≥5.0 - <10	108419-33-6
pentane-2,4-dione	≥1.0 - ≤6.7	123-54-6
carbon black, respirable powder	≥1.0 - ≤5.0	1333-86-4
dibutyltin dilaurate	<1.0	77-58-7
Amine Derivative	<1.0	Not available.

SUB codes represent substances without registered CAS Numbers.

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

**There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.**

Occupational exposure limits, if available, are listed in Section 8.

**Section 4. First aid measures**

If ingestion, irritation, any type of overexposure or symptoms of overexposure occur during or persists after use of this product, contact a POISON CONTROL CENTER, EMERGENCY ROOM OR PHYSICIAN immediately; have Safety Data Sheet information available. Never give anything by mouth to an unconscious or convulsing person.

**Description of necessary first aid measures**

- |                     |  |
|---------------------|--|
| <b>Eye contact</b>  | : Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.  |
| <b>Inhalation</b>   | : Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. |
| <b>Skin contact</b> | : Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners.   |
| <b>Ingestion</b>    | : If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Do NOT induce vomiting.  |

**Most important symptoms/effects, acute and delayed****Potential acute health effects**

- |                     |   |
|---------------------|---|
| <b>Eye contact</b>  | : Causes serious eye irritation.  |
| <b>Inhalation</b>   | : Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness. |
| <b>Skin contact</b> | : Defatting to the skin. May cause skin dryness and irritation.                         |
| <b>Ingestion</b>    | : Harmful if swallowed. Can cause central nervous system (CNS) depression.              |

**Over-exposure signs/symptoms**

- |                    |  |
|--------------------|--|
| <b>Eye contact</b> | : Adverse symptoms may include the following:<br>pain or irritation<br>watering<br>redness |
|--------------------|--|



## Section 7. Handling and storage

### Precautions for safe handling

#### Protective measures

: Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.

#### Special precautions

: Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Vapors are heavier than air and may spread along floors. If this material is part of a multiple component system, read the Safety Data Sheet(s) for the other component or components before blending as the resulting mixture may have the hazards of all of its parts.

#### Advice on general occupational hygiene

: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

#### Conditions for safe storage, including any incompatibilities

: Do not store above the following temperature: 35°C (95°F). Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## Section 8. Exposure controls/personal protection

### Control parameters

#### Occupational exposure limits

Ingredient name	Exposure limits
Butanone  1,3-Benzenedicarboxylic acid, polymer with 2,2-dimethyl-1,3-propanediol, 1,2-ethanediol, hexanedioic acid and 1,6-hexanediol heptan-2-one	<b>ACGIH TLV (United States, 3/2015).</b> STEL: 885 mg/m <sup>3</sup> 15 minutes. STEL: 300 ppm 15 minutes. TWA: 590 mg/m <sup>3</sup> 8 hours. TWA: 200 ppm 8 hours. <b>OSHA PEL (United States, 2/2013).</b> TWA: 590 mg/m <sup>3</sup> 8 hours. TWA: 200 ppm 8 hours. None.  <b>ACGIH TLV (United States, 3/2015).</b> TWA: 233 mg/m <sup>3</sup> 8 hours.

## Section 8. Exposure controls/personal protection

Acetic acid, C8-10-branched alkyl esters, C9-rich pentane-2,4-dione

carbon black, respirable powder

dibutyltin dilaurate

Amine Derivative

TWA: 50 ppm 8 hours.

**OSHA PEL (United States, 2/2013).**

TWA: 465 mg/m<sup>3</sup> 8 hours.

TWA: 100 ppm 8 hours.

None.

**ACGIH TLV (United States, 3/2015).**

**Absorbed through skin.**

TWA: 25 ppm 8 hours.

**ACGIH TLV (United States, 3/2015).**

TWA: 3 mg/m<sup>3</sup> 8 hours. Form: Inhalable fraction

**OSHA PEL (United States, 2/2013).**

TWA: 3.5 mg/m<sup>3</sup> 8 hours.

**ACGIH TLV (United States, 3/2015).**

**Absorbed through skin.**

STEL: 0.2 mg/m<sup>3</sup>, (as Sn) 15 minutes.

TWA: 0.1 mg/m<sup>3</sup>, (as Sn) 8 hours.

**OSHA PEL (United States, 2/2013).**

TWA: 0.1 mg/m<sup>3</sup>, (as Sn) 8 hours.

**OSHA PEL (United States).**

TWA: 0.1 mg/m<sup>3</sup>, (as Sn)

None.

### Key to abbreviations

A = Acceptable Maximum Peak  
 ACGIH = American Conference of Governmental Industrial Hygienists.  
 C = Ceiling Limit  
 F = Fume  
 IPEL = Internal Permissible Exposure Limit  
 OSHA = Occupational Safety and Health Administration.  
 R = Respirable  
 Z = OSHA 29 CFR 1910.1200 Subpart Z - Toxic and Hazardous Substances

S = Potential skin absorption  
 SR = Respiratory sensitization  
 SS = Skin sensitization  
 STEL = Short term Exposure limit values  
 TD = Total dust  
 TLV = Threshold Limit Value  
 TWA = Time Weighted Average

### Consult local authorities for acceptable exposure limits.

**Recommended monitoring procedures** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

**Appropriate engineering controls** : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

**Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### Individual protection measures

## Section 11. Toxicological information

**Conclusion/Summary** : There are no data available on the mixture itself. Exposure to component solvent vapor concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness. Solvents may cause some of the above effects by absorption through the skin. There is some evidence that repeated exposure to organic solvent vapors in combination with constant loud noise can cause greater hearing loss than expected from exposure to noise alone. If splashed in the eyes, the liquid may cause irritation and reversible damage. Ingestion may cause nausea, diarrhea and vomiting. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

### Short term exposure

**Potential immediate effects** : There are no data available on the mixture itself.

**Potential delayed effects** : There are no data available on the mixture itself.

### Long term exposure

**Potential immediate effects** : There are no data available on the mixture itself.

**Potential delayed effects** : There are no data available on the mixture itself.

### Potential chronic health effects

**General** : Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis.

**Carcinogenicity** : Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.

**Mutagenicity** : No known significant effects or critical hazards.

**Teratogenicity** : May damage the unborn child.

**Developmental effects** : No known significant effects or critical hazards.

**Fertility effects** : May damage fertility.

### Numerical measures of toxicity

#### Acute toxicity estimates

Route	ATE value
Oral	1416.2 mg/kg
Dermal	8998.9 mg/kg
Inhalation (gases)	27879.1 ppm
Inhalation (vapors)	22.81 mg/l
Inhalation (dusts and mists)	9.293 mg/l

## Section 12. Ecological information

### Toxicity

Not available.

### Persistence and degradability

Not available.

### Bioaccumulative potential

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
butanone	0.29	-	low
heptan-2-one	1.98	-	low
pentane-2,4-dione	0.4	-	low
dibutyltin dilaurate	3.12	-	low

### Mobility in soil

Soil/water partition coefficient (K<sub>oc</sub>) : Not available.

## Section 13. Disposal considerations

**Disposal methods** : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees. Section 6. Accidental release measures

## 14. Transport information

## 14. Transport information

	DOT	IMDG	IATA
UN number	UN1263	UN1263	UN1263
UN proper shipping name	PAINT	PAINT	PAINT
Transport hazard class (es)	3	3	3
Packing group	III	III	III
Environmental hazards	No.	No.	No.
Marine pollutant substances	Not applicable.	Not applicable.	Not applicable.
Product RQ (lbs)	26315.8	Not applicable.	Not applicable.
RQ substances	(xylene, butanone)	Not applicable.	Not applicable.

### Additional information

**DOT** : Package sizes shipped in quantities less than the product reportable quantity are not subject to the RQ (reportable quantity) transportation requirements.

**IMDG** : None identified.

**IATA** : None identified.

**Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

## Section 15. Regulatory information

### United States

**United States inventory (TSCA 8b)** : All components are listed or exempted.

**United States - TSCA 5(a)2 - Proposed significant new use rules:**

pentane-2,4-dione

Listed

### SARA 302/304

**SARA 304 RQ** : Not applicable.

### Composition/information on ingredients

No products were found.

### SARA 311/312

**Classification** : Fire hazard  
Immediate (acute) health hazard  
Delayed (chronic) health hazard

### Composition/information on ingredients

## Section 15. Regulatory information

Name	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
Butanone	Yes.	No.	No.	Yes.	No.
1,3-Benzenedicarboxylic acid, polymer with 2,2-dimethyl-1,3-propanediol, 1, 2-ethanediol, hexanedioic acid and 1, 6-hexanediol	Yes.	No.	No.	Yes.	No.
heptan-2-one	Yes.	No.	No.	Yes.	No.
Acetic acid, C8-10-branched alkyl esters, C9-rich	Yes.	No.	No.	Yes.	No.
pentane-2,4-dione	Yes.	No.	No.	Yes.	No.
carbon black, respirable powder	Yes.	No.	No.	No.	Yes.
dibutyltin dilaurate	No.	No.	No.	Yes.	Yes.
Amine Derivative	Yes.	No.	No.	Yes.	No.

### California Prop. 65

**WARNING:** This product contains a chemical known to the State of California to cause cancer.

## Section 16. Other information

### Hazardous Material Information System (U.S.A.)

Health : 3 \* Flammability : 3 Physical hazards : 0

(\*) - Chronic effects

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

### National Fire Protection Association (U.S.A.)

Health : 3 Flammability : 3 Instability : 0

Date of previous issue : 2/1/2016

Organization that prepared the MSDS : EHS

### Key to abbreviations

: ATE = Acute Toxicity Estimate  
 BCF = Bioconcentration Factor  
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
 IATA = International Air Transport Association  
 IBC = Intermediate Bulk Container  
 IMDG = International Maritime Dangerous Goods  
 LogPow = logarithm of the octanol/water partition coefficient  
 MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
 UN = United Nations

☑ Indicates information that has changed from previously issued version.

### Disclaimer

Product code CA 8213/F37038 BASE COMPONENT

Date of issue 10 April 2016

Version 9

Product name CA 8213/F37038 BASE COMPONENT

## Section 16. Other information

*The information contained in this data sheet is based on present scientific and technical knowledge. The purpose of this information is to draw attention to the health and safety aspects concerning the products supplied by PPG, and to recommend precautionary measures for the storage and handling of the products. No warranty or guarantee is given in respect of the properties of the products. No liability can be accepted for any failure to observe the precautionary measures described in this data sheet or for any misuse of the products.*

# SAFETY DATA SHEET



Date of issue/Date of revision 27 April 2016

Version 7

## Section 1. Identification

Product name : CA 8200B M&D ACTIVATOR COMPONENT  
Product code : CA 8200B M&D ACTIVATOR COMPONENT  
Other means of identification : Not available.  
Product type : Liquid.

### Relevant identified uses of the substance or mixture and uses advised against

Product use : Industrial applications.  
Use of the substance/ mixture : Hardener.  
Uses advised against : Not applicable.

Manufacturer : PPG Aerospace PRC-DèSoto  
12780 San Fernando Road  
Sylmar, CA 91342  
Phone: 818 362 6711  
Emergency telephone number : (412) 434-4515 (U.S.)  
(514) 645-1320 (Canada)  
01-800-00-21-400 (Mexico)

## Section 2. Hazards identification

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).  
Classification of the substance or mixture : FLAMMABLE LIQUIDS - Category 3  
ACUTE TOXICITY (inhalation) - Category 4  
RESPIRATORY SENSITIZATION - Category 1  
SKIN SENSITIZATION - Category 1  
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3

### GHS label elements

Hazard pictograms :



Signal word : Danger



Product code **CA 8200B M&D ACTIVATOR  
COMPONENT**

Date of issue **27 April 2016**

Version **7**

Product name **CA 8200B M&D ACTIVATOR COMPONENT**

## Section 2. Hazards identification

**Hazard statements** : Flammable liquid and vapor.  
Harmful if inhaled.  
May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
May cause an allergic skin reaction.  
May cause respiratory irritation.

### Precautionary statements

**Prevention** : Wear protective gloves. Wear eye or face protection. Wear respiratory protection.  
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use explosion-proof electrical, ventilating, lighting and all material-handling equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Keep container tightly closed. Use only outdoors or in a well-ventilated area. Avoid breathing vapor. Contaminated work clothing must not be allowed out of the workplace.

**Response** : IF INHALED: If breathing is difficult, remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. If experiencing respiratory symptoms: Call a POISON CENTER or physician. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. IF ON SKIN: Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical attention.

**Storage** : Store locked up. Store in a well-ventilated place. Keep cool.

**Disposal** : Dispose of contents and container in accordance with all local, regional, national and international regulations.

**Supplemental label elements** : Moisture-sensitive material. Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage. Inhalation of vapor/aerosol concentrations above the recommended exposure limits causes headaches, drowsiness and nausea and may lead to unconsciousness or death. Skin contact to isocyanate monomer may lead to allergic lung reaction. Based on the properties of the isocyanate components and considering toxicological data on similar mixtures, this mixture may cause acute irritation and/or sensitization of the respiratory system, leading to an asthmatic condition, wheezing and tightness of the chest. Sensitized persons may subsequently show asthmatic symptoms when exposed to atmospheric concentrations well below the OEL. Repeated exposure may lead to permanent respiratory disability. Persons with a history of skin sensitization problems or asthma, allergies or chronic or recurrent respiratory disease should not be employed in any process in which this product is used. Avoid contact with skin and clothing. Wash thoroughly after handling. Emits toxic fumes when heated.

**Hazards not otherwise classified** : Prolonged or repeated contact may dry skin and cause irritation.

## Section 3. Composition/information on ingredients

**Substance/mixture** : Mixture

**Product name** : CA 8200B M&D ACTIVATOR COMPONENT

### Section 3. Composition/information on ingredients

Ingredient name	%	CAS number
Hexamethylene diisocyanate, oligomers	≥75 - ≤90	28182-81-2
heptan-2-one	≥5.0 - ≤10	110-43-0
n-butyl acetate	≥1.0 - ≤5.0	123-86-4
Solvent naphtha (petroleum), light aromatic	≥1.0 - ≤5.0	64742-95-6
1,2,4-trimethylbenzene	≤1.6	95-63-6
hexamethylene-di-isocyanate	<1.0	822-06-0

SUB codes represent substances without registered CAS Numbers.

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

**There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.**

Occupational exposure limits, if available, are listed in Section 8.

### Section 4. First aid measures

If ingestion, irritation, any type of overexposure or symptoms of overexposure occur during or persists after use of this product, contact a POISON CONTROL CENTER, EMERGENCY ROOM OR PHYSICIAN immediately; have Safety Data Sheet information available. Never give anything by mouth to an unconscious or convulsing person.

#### Description of necessary first aid measures

- Eye contact** : Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.
- Inhalation** : Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.
- Skin contact** : Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners.
- Ingestion** : If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Do NOT induce vomiting.

#### Most important symptoms/effects, acute and delayed

##### Potential acute health effects

- Eye contact** : No known significant effects or critical hazards.
- Inhalation** : Harmful if inhaled. May cause respiratory irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- Skin contact** : Defatting to the skin. May cause skin dryness and irritation. May cause an allergic skin reaction.
- Ingestion** : No known significant effects or critical hazards.

##### Over-exposure signs/symptoms

- Eye contact** : No specific data.
- Inhalation** : Adverse symptoms may include the following:  
respiratory tract irritation  
coughing  
wheezing and breathing difficulties  
asthma

## Section 4. First aid measures

- Skin contact** : Adverse symptoms may include the following:  
irritation  
redness  
dryness  
cracking
- Ingestion** : No specific data.

### Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

### Extinguishing media

- Suitable extinguishing media** : Use dry chemical, CO<sub>2</sub>, water spray (fog) or foam.
- Unsuitable extinguishing media** : Do not use water jet.

- Specific hazards arising from the chemical** : Flammable liquid and vapor. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard. This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
- Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide  
nitrogen oxides
- Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## **Section 6. Accidental release measures**

### **Personal precautions, protective equipment and emergency procedures**

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
- For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### **Methods and materials for containment and cleaning up**

- Small spill** : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.
- Special provisions** : Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Place in a suitable container. The contaminated area should be cleaned immediately with a suitable decontaminant. One possible (flammable) decontaminant comprises (by volume): water (45 parts), ethanol or isopropyl alcohol (50 parts) and concentrated (d: 0,880) ammonia solution (5 parts). A non-flammable alternative is sodium carbonate (5 parts) and water (95 parts). Add the same decontaminant to the remnants and let stand for several days until no further reaction in an unsealed container. Once this stage is reached, close container and dispose of according to local regulations (see section 13). Do not allow to enter drains or watercourses. If the product contaminates lakes, rivers, or sewers, inform the appropriate authorities in accordance with local regulations.

## Section 7. Handling and storage

### Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems or asthma, allergies or chronic or recurrent respiratory disease should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.
- Special precautions** : Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Vapors are heavier than air and may spread along floors. If this material is part of a multiple component system, read the Safety Data Sheet(s) for the other component or components before blending as the resulting mixture may have the hazards of all of its parts.
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
- Conditions for safe storage, including any incompatibilities** : Do not store above the following temperature: 35°C (95°F). Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. Precautions should be taken to minimize exposure to atmospheric humidity or water. CO<sub>2</sub> will be formed, which, in closed containers, could result in pressurization.

## Section 8. Exposure controls/personal protection

### Control parameters

#### Occupational exposure limits

Ingredient name	Exposure limits
Hexamethylene diisocyanate, oligomers	<b>IPEL (PPG).</b> TWA: 0.5 mg/m <sup>3</sup> STEL: 1 mg/m <sup>3</sup>
heptan-2-one	<b>ACGIH TLV (United States, 3/2015).</b> TWA: 233 mg/m <sup>3</sup> 8 hours. TWA: 50 ppm 8 hours. <b>OSHA PEL (United States, 2/2013).</b> TWA: 465 mg/m <sup>3</sup> 8 hours. TWA: 100 ppm 8 hours.

## Section 8. Exposure controls/personal protection

n-butyl acetate

**ACGIH TLV (United States, 3/2015).**

STEL: 200 ppm 15 minutes.

TWA: 150 ppm 8 hours.

**OSHA PEL (United States, 2/2013).**

TWA: 710 mg/m<sup>3</sup> 8 hours.

TWA: 150 ppm 8 hours.

None.

Solvent naphtha (petroleum), light aromatic  
1,2,4-trimethylbenzene

**ACGIH TLV (United States, 3/2015).**

TWA: 123 mg/m<sup>3</sup> 8 hours.

TWA: 25 ppm 8 hours.

hexamethylene-di-isocyanate

**ACGIH TLV (United States, 3/2015).**

TWA: 0.03 mg/m<sup>3</sup> 8 hours.

TWA: 0.005 ppm 8 hours.

**OSHA PEL (United States, 2/2013).**

**Absorbed through skin.**

TWA: 5 mg/m<sup>3</sup>, (as CN) 8 hours.

### Key to abbreviations

A = Acceptable Maximum Peak  
ACGIH = American Conference of Governmental Industrial Hygienists.  
C = Ceiling Limit  
F = Fume  
IPEL = Internal Permissible Exposure Limit  
OSHA = Occupational Safety and Health Administration.  
R = Respirable  
Z = OSHA 29 CFR 1910.1200 Subpart Z - Toxic and Hazardous Substances

S = Potential skin absorption  
SR = Respiratory sensitization  
SS = Skin sensitization  
STEL = Short term Exposure limit values  
TD = Total dust  
TLV = Threshold Limit Value  
TWA = Time Weighted Average

### Consult local authorities for acceptable exposure limits.

**Recommended monitoring procedures** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

**Appropriate engineering controls** : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

**Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### Individual protection measures

**Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

## Section 8. Exposure controls/personal protection

<b>Eye/face protection</b>	: Safety glasses with side shields.
<b><u>Skin protection</u></b>	
<b>Hand protection</b>	: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
<b>Gloves</b>	: butyl rubber
<b>Body protection</b>	: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.
<b>Other skin protection</b>	: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
<b>Respiratory protection</b>	: By spraying: air-fed respirator. By other operations than spraying, in well ventilated areas, air-fed respirators could be replaced by a combination charcoal filter and particulate filter mask. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
<b>Restrictions on use</b>	: Persons with a history of asthma, allergies or chronic or recurrent respiratory disease should not be employed in any process in which this product is used.

## Section 9. Physical and chemical properties

### Appearance

<b>Physical state</b>	: Liquid.
<b>Color</b>	: Clear.
<b>Odor</b>	: Not available.
<b>Odor threshold</b>	: Not available.
<b>pH</b>	: Not available.
<b>Melting point</b>	: Not available.
<b>Boiling point</b>	: 126.11 to 148.89°C (259 to 300°F)
<b>Flash point</b>	: Closed cup: 38°C (100.4°F)
<b>Material supports combustion.</b>	: Yes.
<b>Auto-ignition temperature</b>	: Not available.
<b>Decomposition temperature</b>	: Not available.
<b>Flammability (solid, gas)</b>	: Not available.
<b>Lower and upper explosive (flammable) limits</b>	: Not available.
<b>Evaporation rate</b>	: Not available.
<b>Vapor pressure</b>	: Not available.

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## Section 9. Physical and chemical properties

Vapor density : Not available.  
Relative density : 1.09  
Density ( lbs / gal ) : 9.1  
Solubility : Insoluble in the following materials: cold water.  
Partition coefficient: n-octanol/water : Not available.  
Viscosity : Kinematic (40°C (104°F)): >0.21 cm<sup>2</sup>/s (>21 cSt)  
VOC : 206 g/l  
% Solid. (w/w) : 81.36

## Section 10. Stability and reactivity

Reactivity : No specific test data related to reactivity available for this product or its ingredients.

Chemical stability : The product is stable.

Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid : In a fire, hazardous decomposition products may be produced.  
Refer to protective measures listed in sections 7 and 8.

Incompatible materials : Keep away from: oxidizing agents, strong alkalis, strong acids, amines, alcohols, water.  
Uncontrolled exothermic reactions occur with amines and alcohols.

Hazardous decomposition products : Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen, hydrogen cyanide, monomeric isocyanates.

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Hexamethylene diisocyanate, oligomers	LC50 Inhalation Dusts and mists	Rat	18500 mg/m <sup>3</sup>	1 hours
	LC50 Inhalation Dusts and mists	Rat	0.39 mg/l	4 hours
	LD50 Dermal	Rabbit	>2000 mg/kg	-
heptan-2-one	LD50 Oral	Rat - Female	>2500 mg/kg	-
	LC50 Inhalation Vapor	Rat	>16.7 mg/l	4 hours
	LD50 Dermal	Rabbit	10.206 g/kg	-
n-butyl acetate	LD50 Oral	Rat	1.6 g/kg	-
	LC50 Inhalation Vapor	Rat	>21.1 mg/l	4 hours
	LC50 Inhalation Vapor	Rat	2000 ppm	4 hours
	LD50 Dermal	Rabbit	>17600 mg/kg	-
	LD50 Oral	Rat	10.768 g/kg	-



## Section 11. Toxicological information

Solvent naphtha (petroleum), light aromatic	LD50 Dermal	Rabbit	3.48 g/kg	-
1,2,4-trimethylbenzene	LD50 Oral	Rat	8400 mg/kg	-
	LC50 Inhalation Vapor	Rat	18000 mg/m <sup>3</sup>	4 hours
hexamethylene-di-isocyanate	LD50 Oral	Rat	5 g/kg	-
	LC50 Inhalation Dusts and mists	Rat	124 mg/m <sup>3</sup>	4 hours
	LC50 Inhalation Vapor	Rat	151 mg/m <sup>3</sup>	4 hours
	LC50 Inhalation Vapor	Rat	22 ppm	4 hours
	LD50 Dermal	Rabbit	0.57 g/kg	-
	LD50 Oral	Rat	0.71 g/kg	-

**Conclusion/Summary** : There are no data available on the mixture itself.

### Irritation/Corrosion

#### Conclusion/Summary

**Skin** : There are no data available on the mixture itself.

**Eyes** : There are no data available on the mixture itself.

**Respiratory** : There are no data available on the mixture itself.

### Sensitization

#### Conclusion/Summary

**Skin** : There are no data available on the mixture itself.

**Respiratory** : There are no data available on the mixture itself.

### Mutagenicity

**Conclusion/Summary** : There are no data available on the mixture itself.

### Carcinogenicity

**Conclusion/Summary** : There are no data available on the mixture itself.

### Reproductive toxicity

**Conclusion/Summary** : There are no data available on the mixture itself.

### Teratogenicity

**Conclusion/Summary** : There are no data available on the mixture itself.

### Specific target organ toxicity (single exposure)

Name	Category
Hexamethylene diisocyanate, oligomers	Category 3
n-butyl acetate	Category 3
Solvent naphtha (petroleum), light aromatic	Category 3
1,2,4-trimethylbenzene	Category 3
hexamethylene-di-isocyanate	Category 3

### Specific target organ toxicity (repeated exposure)

Not available.

### Target organs

: Contains material which causes damage to the following organs: brain, central nervous system (CNS).

Contains material which may cause damage to the following organs: blood, lungs, peripheral nervous system, upper respiratory tract, skin, eye, lens or cornea.

### Aspiration hazard

## Section 11. Toxicological information

Name	Result
Solvent naphtha (petroleum), light aromatic	ASPIRATION HAZARD - Category 1

### Information on the likely routes of exposure

#### Potential acute health effects

- Eye contact** : No known significant effects or critical hazards.
- Inhalation** : Harmful if inhaled. May cause respiratory irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- Skin contact** : Defatting to the skin. May cause skin dryness and irritation. May cause an allergic skin reaction.
- Ingestion** : No known significant effects or critical hazards.

#### Over-exposure signs/symptoms

- Eye contact** : No specific data.
- Inhalation** : Adverse symptoms may include the following:  
respiratory tract irritation  
coughing  
wheezing and breathing difficulties  
asthma
- Skin contact** : Adverse symptoms may include the following:  
irritation  
redness  
dryness  
cracking
- Ingestion** : No specific data.

### Delayed and immediate effects and also chronic effects from short and long term exposure

- Conclusion/Summary** : There are no data available on the mixture itself. Skin contact to isocyanate monomer may lead to allergic lung reaction. Based on the properties of the isocyanate components and considering toxicological data on similar mixtures, this mixture may cause acute irritation and/or sensitization of the respiratory system, leading to an asthmatic condition, wheezing and tightness of the chest. Repeated exposure may lead to permanent respiratory disability. Exposure to component solvent vapor concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness. Solvents may cause some of the above effects by absorption through the skin. There is some evidence that repeated exposure to organic solvent vapors in combination with constant loud noise can cause greater hearing loss than expected from exposure to noise alone. If splashed in the eyes, the liquid may cause irritation and reversible damage. Ingestion may cause nausea, diarrhea and vomiting. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

#### Short term exposure

- Potential immediate effects** : There are no data available on the mixture itself.
- Potential delayed effects** : There are no data available on the mixture itself.

## Section 11. Toxicological information

### Long term exposure

**Potential immediate effects** : There are no data available on the mixture itself.

**Potential delayed effects** : There are no data available on the mixture itself.

### Potential chronic health effects

**General** : Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

**Carcinogenicity** : No known significant effects or critical hazards.

**Mutagenicity** : No known significant effects or critical hazards.

**Teratogenicity** : No known significant effects or critical hazards.

**Developmental effects** : No known significant effects or critical hazards.

**Fertility effects** : No known significant effects or critical hazards.

### Numerical measures of toxicity

#### Acute toxicity estimates

Route	ATE value
Oral	15341.5 mg/kg
Dermal	137140.5 mg/kg
Inhalation (gases)	4880.1 ppm
Inhalation (vapors)	12 mg/l
Inhalation (dusts and mists)	1.627 mg/l

## Section 12. Ecological information

### Toxicity

Product/ingredient name	Result	Species	Exposure
Hexamethylene diisocyanate, oligomers	Acute EC50 >1000 mg/l	Algae - scenedesmus subspicatus	72 hours
	Acute EC50 >100 mg/l	Daphnia - daphnia magna	48 hours
	Acute LC50 >100 mg/l	Fish - Danio rerio (zebra fish)	96 hours

### Persistence and degradability

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
Hexamethylene diisocyanate, oligomers	-	-	Not readily

### Bioaccumulative potential

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## Section 12. Ecological information

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
Hexamethylene diisocyanate, oligomers	-	3.2	low
heptan-2-one	1.98	-	low
n-butyl acetate	1.78	-	low
1,2,4-trimethylbenzene	3.63	120.23	low
hexamethylene-di-isocyanate	1.08	-	low

### Mobility in soil

Soil/water partition coefficient (K<sub>oc</sub>) : Not available.

## Section 13. Disposal considerations

**Disposal methods** : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees. Section 6. Accidental release measures

## 14. Transport information

	DOT	IMDG	IATA
UN number	UN1263	UN1263	UN1263
UN proper shipping name	PAINT	PAINT	PAINT
Transport hazard class (es)	3	3	3
Packing group	III	III	III
Environmental hazards	No.	No.	No.
Marine pollutant substances	Not applicable.	Not applicable.	Not applicable.

Product code **CA 8200B M&D ACTIVATOR  
COMPONENT**

Date of issue **27 April 2016**

Version **7**

Product name **CA 8200B M&D ACTIVATOR COMPONENT**

## 14. Transport information

### Additional information

**DOT** : This product may be re-classified as "Combustible Liquid," unless transported by vessel or aircraft. Non-bulk packages (less than or equal to 119 gal) of combustible liquids are not regulated as hazardous materials.

**IMDG** : None identified.

**IATA** : None identified.

**Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

## Section 15. Regulatory information

### United States

**United States inventory (TSCA 8b)** : All components are listed or exempted.

### SARA 302/304

**SARA 304 RQ** : Not applicable.

### Composition/information on ingredients

No products were found.

### SARA 311/312

**Classification** : Fire hazard  
Immediate (acute) health hazard

### Composition/information on ingredients

Name	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
Hexamethylene diisocyanate, oligomers	Yes.	No.	No.	Yes.	No.
heptan-2-one	Yes.	No.	No.	Yes.	No.
n-butyl acetate	Yes.	No.	No.	Yes.	No.
Solvent naphtha (petroleum), light aromatic	Yes.	No.	No.	Yes.	No.
1,2,4-trimethylbenzene	Yes.	No.	No.	Yes.	No.
hexamethylene-di-isocyanate	No.	No.	No.	Yes.	No.

### SARA 313

	<u>Chemical name</u>	<u>CAS number</u>	<u>Concentration</u>
<b>Supplier notification</b>	: 1,2,4-trimethylbenzene	95-63-6	0.5 - 1.5

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

Product code **CA 8200B M&D ACTIVATOR  
COMPONENT**

Date of issue **27 April 2016**

Version **7**

Product name **CA 8200B M&D ACTIVATOR COMPONENT**

## Section 16. Other information

### Hazardous Material Information System (U.S.A.)

Health : 3 \* Flammability : 2 Physical hazards : 0

(\*) - Chronic effects

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

### National Fire Protection Association (U.S.A.)

Health : 3 Flammability : 2 Instability : 0

Date of previous issue : 1/31/2016

Organization that prepared the MSDS : EHS

### Key to abbreviations

: ATE = Acute Toxicity Estimate  
BCF = Bioconcentration Factor  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
IATA = International Air Transport Association  
IBC = Intermediate Bulk Container  
IMDG = International Maritime Dangerous Goods  
LogPow = logarithm of the octanol/water partition coefficient  
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
UN = United Nations

☑ Indicates information that has changed from previously issued version.

### Disclaimer

*The information contained in this data sheet is based on present scientific and technical knowledge. The purpose of this information is to draw attention to the health and safety aspects concerning the products supplied by PPG, and to recommend precautionary measures for the storage and handling of the products. No warranty or guarantee is given in respect of the properties of the products. No liability can be accepted for any failure to observe the precautionary measures described in this data sheet or for any misuse of the products.*



PPG Aerospace  
PRC-DeSoto

PRC-DeSoto International, Inc.  
11601 United Street  
Mojave, California 93501 USA  
Telephone (661) 232-6819  
Fax (661) 232-6888  
[www.ppgaerospace.com](http://www.ppgaerospace.com)

MIL-PRF-85285E

## CAUTION

**THIS COATING MATERIAL IS TOXIC AND FLAMMABLE.**

**DO NOT USE IN CONFINED AREAS.**

**DO NOT USE WHERE THERE ARE OPEN FLAMES, ARCING EQUIPMENT, HOT SURFACES, NOR WHERE SMOKING IS PERMITTED.**

**USE ONLY WITH ADEQUATE VENTILATION.**

**AVOID BREATHING OF VAPOR.**

**DO NOT GET IN EYES, ON SKIN, ON CLOTHING.**

**IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES OR SKIN WITH PLENTY OF WATER. FOR EYES, GET MEDICAL ATTENTION.**

**Lid (Component B only): Each lid of Component B material shall have a red printed label with the following information:**

**"USE CAUTION. OPEN SLOWLY."**

**Precautions: Each kit shall include a sheet listing the following precautions:**

- a. The surface to be coated must be clean (free of oil, dust, etc.)
  - b. Spray equipment must be adequately grounded. Clean equipment immediately after use. For class W only, use water followed by thinner. For all other classes, use thinner only. In all cases, thinner conforming to MIL-T-81772, type I, shall be used.
  - c. Mix only the amount of coating to be used within four hours.
  - d. Never mix coating or individual component from one vendor with that of another vendor. Components from different kits are not interchangeable. For example, do not use Component A in white with Component B in gray.
  - e. Apply to pretreated metal or appropriately prepared organic matrix composite surfaces.
  - f. Dispose of, without opening, any container that is bulged or deformed.
  - g. Open Component B carefully. If the contained material is not clear, dispose of it.
  - h. Perform production-type operations only in areas with good ventilation (such as hanger deck or in a hanger with the doors open). Do not expose unprotected personnel in adjacent areas to mist, spray, or vapor.
- Application shall be restricted to brush, roller, or self-pressurized spray kit. No one person shall apply more than one quart of polyurethane coating by self-pressurized spray in a 24 hour period.

Recommendations for the use of our products are based on tests we believe to be reliable. Manufacture and seller are not responsible for results where the product is used under conditions beyond our control. Under no circumstances will PRC-DeSoto International Inc. be liable for consequential damages to anyone in excess of the purchase price of the products.

# Receiving Report

Date: 16-7-5  
Supplier: monroe

Batch No: M135FS8  
Dart P/O: 32731

Packing Slip: Yes ☒ No ☐  
Invoice: Yes ☒ No ☐  
Receipt: Cash ☐ Cr ☒  
New Supplier Yes ☐ No ☒

Release Note Attached: Yes ☒ No ☐ N/A ☐  
Waybill Attached: Yes ☒ No ☐  
Shipment Complete: Yes ☒ No ☐ N/A ☒  
QC18 Inspection ☐ N/A ☒  
Work Order ☐ N/A ☒

## Discrepancies

Part Number	Description	Quantity Ordered	Quantity Rec'd	Quantity Short	Quantity Inspected	Quantity Rejected	Comment / NCR Number

Initials of Receiver QC12 SP

Production/Admin:  
Date \_\_\_\_\_  
Received/Costing \_\_\_\_\_  
Initial \_\_\_\_\_

Location \_\_\_\_\_

H:\FORMS\Purchasing\approved purch\RECREPORT Rev F

6/21/2016

			Line Total:	\$7.00	
2	AN3C13A	Bolt	6/21/2016 Yes 6/21/2016	20.00 Each	\$0.54 \$10.80
349.			Line Total:	\$10.80	
3	AN4-12	Bolt	6/21/2016 Yes 6/21/2016	25.00 Each	\$0.40 \$10.00
			Line Total:	\$10.00	

SP 16-6-20

Note:

6/20/2016





Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

# PURCHASE ORDER

Purchase Order ID **PO32739**

Purchase Order Date: 6/17/2016

PO Print Date: 6/20/2016

Page Number 2 of 6

**Order From :**

MONROE AEROSPACE  
399 EAST DRIVE  
MELBOURNE, FLORIDA 32904  
USA

VU-EC001

**Ship To :** DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**Contact Name**

**Vendor Phone**

1-321-727-0047

**Ship To Contact**

**Ship To Phone**

**Ship Via:**

FedEx Economy collect

**Ship Acct:**

**Buyer**

Chantal Lavoie

**Customer POID**

**Customer Tax #**

10127-2607

**Terms**

Net 30

**Currency**

USD

**FOB**

FCA - (Free Carrier)

**Line Total:**

**\$10.00**

4 AN43B-7A ✓ EYEBOLT

6/21/2016

Yes

6/21/2016

10.00

Each

\$5.25

\$52.50

**Line Total:**

**\$52.50**

5 AN4-51A ✓ Bolt

6/21/2016 FN

Yes

6/21/2016

100.00

Each

\$3.10

\$310.00

**Line Total:**

**\$310.00**

6 AN4C15 ✓ Bolt

6/21/2016 FN

Yes

6/21/2016

15.00

Each

\$0.78

\$11.70

**Line Total:**

**\$11.70**

**Note:**

6/20/2016



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

# PURCHASE ORDER

Purchase Order ID **PO32739**

Purchase Order Date 6/17/2016

PO Print Date 6/20/2016

Page Number 3 of 6

**Order From:**

MONROE AEROSPACE  
399 EAST DRIVE  
MELBOURNE, FLORIDA 32904  
USA

VU-EC001

**Ship To:** DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**Contact Name**

**Vendor Phone**

1-321-727-0047

**Ship To Contact**

**Ship To Phone**

**Ship Via:**

FedEx Economy collect

**Ship Acct:**

**Buyer**

Chantal Lavoie

**Customer POID**

**Customer Tax #**

10127-2607

**Terms**

Net 30

**Currency**

USD

**FOB**

FCA - (Free Carrier)

7	AN525-10R22	Screw	6/21/2016 Yes 6/21/2016	50.00 Each	\$0.17	\$8.50
---	-------------	-------	-------------------------------	---------------	--------	--------

329.

**Line Total:** \$8.50

8	AN525-10R24	Screw	6/21/2016 FN Yes 6/21/2016	50.00 Each	\$0.20	\$10.00
---	-------------	-------	----------------------------------	---------------	--------	---------

329.

**Line Total:** \$10.00

9	MS21042L06	Nut	6/21/2016 FN Yes 6/21/2016	100.00 Each	\$0.15	\$15.00
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303.

**Line Total:** \$15.00

10	MS21042L08	Nut	6/21/2016 FN Yes 6/21/2016	350.00 Each	\$0.15	\$52.50
----	------------	-----	----------------------------------	----------------	--------	---------

303.

Sup 16-6-20

**Note:**

6/20/2016



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

# PURCHASE ORDER

Purchase Order ID PO32739

Purchase Order Date 6/17/2016

PO Print Date 6/20/2016

Page Number 4 of 6

Order From :

MONROE AEROSPACE  
399 EAST DRIVE  
MELBOURNE, FLORIDA 32904  
USA

VU-EC001

Ship To : DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

Contact Name

Vendor Phone

1-321-727-0047

Ship To Contact

Ship To Phone

Ship Via:

FedEx Economy collect

Ship Acct:

Buyer

Customer POID

Customer Tax #

Terms

Currency

FOB

Chantal Lavoie

10127-2607

Net 30

USD

FCA - (Free Carrier)

					Line Total:	\$52.50
11	MS24665-300 ✓	COTTER PIN	6/21/2016 Yes 6/21/2016	100.00 Each ✓	\$0.04	\$4.00
					Line Total:	\$4.00
12	MS24693-S272 ✓	SCREW	6/21/2016 Yes 6/21/2016	100.00 Each ✓	\$0.05	\$5.00
					Line Total:	\$5.00
13	MS24694-S60 ✓	Screw	6/21/2016 Yes 6/21/2016	100.00 Each ✓	\$0.11	\$11.00
					Line Total:	\$11.00

Note:

6/20/2016



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

# PURCHASE ORDER

Purchase Order ID **PO32739**

Purchase Order Date 6/17/2016

PO Print Date 6/20/2016

Page Number 5 of 6

**Order From :**

MONROE AEROSPACE  
399 EAST DRIVE  
MELBOURNE, FLORIDA 32904  
USA

VU-EC001

**Ship To :** DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**Contact Name**

**Vendor Phone**

1-321-727-0047

**Ship To Contact**

**Ship To Phone**

**Ship Via:**

**Ship Acct:**

FedEx Economy collect

**Buyer**

Chantal Lavoie

**Customer POID**

**Customer Tax #**

10127-2607

**Terms**

Net 30

**Currency**

USD

**FOB**

FCA (Free Carrier)

14 MS27039-08-19

Screw

6/21/2016

Yes

6/21/2016

100.00

Each

\$0.14

\$14.00

**Line Total:**

**\$14.00**

15 NAS1149C0332R

WASHER

6/21/2016

Yes

6/21/2016

2,000.00

Each

\$0.02

\$40.00

**Line Total:**

**\$40.00**

16 NAS1149D0332J

Washer

6/21/2016

FN

Yes

6/21/2016

1,000.00

Each

\$0.04

\$40.00

**Line Total:**

**\$40.00**

**Note:**

6/20/2016



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

# PURCHASE ORDER

Purchase Order ID **PO32739**

Purchase Order Date 6/17/2016

PO Print Date 6/20/2016

Page Number 6 of 6

**Order From :**

MONROE AEROSPACE  
399 EAST DRIVE  
MELBOURNE, FLORIDA 32904  
USA

VU-EC001

**Ship To :** DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**Contact Name**

**Vendor Phone**

1-321-727-0047

**Ship To Contact**

**Ship To Phone**

**Ship Via:**

FedEx Economy collect

**Ship Acct:**

**Buyer**

Chantal Lavoie

**Customer POID**

**Customer Tax #**

10127-2607

**Terms**

Net 30

**Currency**

USD

**FOB**

FCA - (Free Carrier)

17 71401-45

PROCUREMENT  
QUALITY CLAUSES

6/21/2016

1.00

\$0.00

\$0.00

No

6/21/2016

**Procurement Quality Clauses**

A005 RIGHT OF ENTRY

A012 CHEMICAL AND PHYSICAL TEST REPORTS

A016 PERSONNEL QUALIFICATION

A026 CERTIFICATION OF MATERIAL CONFORMANCE

A032 PUBLIC LAW 101-592 FASTENER QUALITY ACT

A033 STATEMENT OF CONFORMITY/TEST RECORDS

FOR NAS, AN and MS FASTENERS

A040 NOTIFICATION OF QUALITY ESCAPE

A041 QUALITY MANAGEMENT SYSTEM

A043 RETENTION OF QUALITY DOCUMENT

**Line Total:**

\$0.00

**PO Total:**

\$602.00

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

Change Nbr:

2

Change Date:

6/20/2016



# Packing Slip

Invoice #: 566769  
Date Printed: 6/30/2016  
Time: 3:42:28 PM  
# of Items: 2  
Page: 1

**To:**  
DART AEROSPACE LTD.  
ACCTS. PAYABLE  
1270 ABERDEEN STREET  
HAWKESBURY, ON K6A1K7  
CANADA

**Ship To:**  
DART AEROSPACE LTD.  
ATTN: RECEIVING  
1270 ABERDEEN STREET  
HAWKESBURY, ON K6A1K7  
Canada

ATTN: CHANTAL LAVOIE  
Ph: 613.632.3336 Fax: 613.632.5246

Invoice Date: 6/30/2016  
Order Date: 6/17/2016  
Ship Date: 6/30/2016  
Sales Order: 504911  
Customer #: 16754

Terms: NET 30  
Cust. PO#: PO32739  
FOB: MELBOURNE, FL

Weight: 2.65  
# of Boxes:  
Shipment #:

Ship Via: 113- FX INT ECON

AWB: 665770290014

FINAL INSPECTION BY: ALAN

Item	Part Number/Description	Shipped	BackOrd	CD	UoM
4	AN43B7A EYE BOLT ✓	4.00 ✓	0.00	NE	
5	AN4-51A BOLT UNDRILLED ✓ <i>over cov.</i>	24.00 ✓	0.00	NE	

8016-7-5

Special Instructions:

Authorized Signature:

# ECAS, LLC

## CUSTOMS INVOICE

No: H968365

### Package Details:

### Deliver To:

Number of Pieces: Total Weight: 2.65	DART AEROSPACE LTD. ATTN: RECEIVING 1270 ABERDEEN STREET HAWKESBURY, ON K6A1K7 Canada
---	---

Carrier	A/W Bill	Flight Number/Date	House A/W Bill
113- FX INT ECONOMY 151793240	665770290014		

Qty	Part No.	Description	Serial Number	Origin	Value	Ext Value	Cust. PO#
4	AN43B7A	EYE BOLT			USC \$21.0000	\$21.0000	PO32739
24	AN4-51A	BOLT UNDRILLED			USC \$74.4000	\$74.4000	PO32739
SP16-75.							

Total: \$95.4000

Home Total: \$95.4000

The goods are supplied to you under the terms of your end-use.

I do hereby declare to the best of my knowledge the invoice to be true and correct.

Signed: \_\_\_\_\_

For and on behalf of ECAS, LLC

Inspectors Stamp



MONROE TAX ID: 47-3784072

# Invoice

INVOICE #: 566769  
DATE PRINTED: 6/30/2016  
TIME: 3:42:10 PM  
# OF ITEMS: 2  
PAGE: 1

**TO:** DART AEROSPACE LTD.  
ACCTS. PAYABLE  
1270 ABERDEEN STREET  
HAWKESBURY, ON K6A1K7  
CANADA

ATTN: CHANTAL LAVOIE  
Ph: 613.632.3336 Fax: 613.632.5246

**SHIP TO:** DART AEROSPACE LTD.  
ATTN: RECEIVING  
1270 ABERDEEN STREET  
HAWKESBURY, ON K6A1K7  
Canada

INVOICE DATE: 6/30/2016

TERMS: NET 30

WEIGHT: 2.65

SHIP VIA: 113- FX INT ECONOMY

ORDER DATE: 6/17/2016

CUST PO: PO32739

# OF BOXES:

SHIP DATE: 6/30/2016

FOB: MELBOURNE, FL

SHIPMENT #: 0

SALES ORDER #: 504911

AWB: 665770290014

YOUR MONROE ACCOUNT REP: Luis Sepulveda

CUSTOMER #: 16754

ITEM	PART NUMBER/DESCRIPTION	SHIPPED	B/O	CD	UNIT PRICE	UOM	TOTAL AMT
4	AN43B7A EYE BOLT	4.00	0.00	NE	5.2500	EA	\$21.0000
	MFR: OBM QTY: 4 ECCN: 9A991 LOT: 43993.07 Schedule B: 7318.15.2000						
5	AN4-51A BOLT UNDRILLED	24.00	0.00	NE	3.1000	EA	\$74.4000
	MFR: AIRFASCO QTY: 24 ECCN: 9A991 LOT: 14474 Schedule B: 7318.15.2000						

\*\*\* Order Complete \*\*\*

6/16-75

## SPECIAL INSTRUCTIONS:

We Thank You For Your Continued Business!

SUB TOTAL:	\$95.4000
TAX TOTAL:	\$0.0000
MISC CHARGE:	\$0.0000
FREIGHT:	\$0.0000
TOTAL:	\$95.40
	USD

ECAS, LLC dba MONROE AEROSPACE  
399 EAST DRIVE MELBOURNE, FL 32904 PH: 800.330.3975 FAX: 321.727.7331





## CERTIFICATE OF CONFORMITY

NO: 566769

**BILL TO:**

DART AEROSPACE LTD.  
ACCTS. PAYABLE  
1270 ABERDEEN STREET  
HAWKESBURY, ON K6A1K7

**SHIP TO:**

DART AEROSPACE LTD.  
ATTN: RECEIVING  
1270 ABERDEEN STREET  
HAWKESBURY, ON K6A1K7

CUSTOMER PO	SHIP DATE	AIRWAY BILL/TRACKING #
PO32739	6/30/2016	665770290014

PART NO:	Description	CND	QTY	S/L	
AN43B7A	EYE BOLT	NE	4	8	LOT: 43993.07 MFR: OBM
AN4-51A	BOLT UNDRILLED	NE	24	19	LOT: 14474 MFR: AIRFASCO

CONDITIONS: NE - New OH-OVERHAULED RP-REPAIRED SV-SERVICEABLE

We hereby certify that the items that are a part of this Purchase Order have been visually & dimensionally found to conform to all applicable standards, drawings & specifications. The liability of ECAS, LLC is limited to replacement of any item which is rejected because of a defect in material or workmanship if notified within 30 days & liability shall not exceed the invoice value. Such replacement shall constitute satisfaction of all liability.

SIGNED:

For and on behalf of ECAS, LLC dba MONROE AEROSPACE

Insp.  
#2

INSPECTOR'S STAMP

ECAS, LLC dba MONROE AEROSPACE  
399 EAST DRIVE MELBOURNE, FL 32904 PH: 800.330.3975